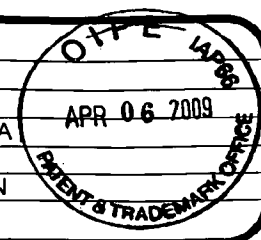


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<b>Application Number</b>	10/586,533
Date Submitted: April 6, 2009		<b>Filing Date</b>	02/08/2005
(use as many sheets as necessary)		<b>First Named Inventor</b>	Hirofumi YASUDA
		<b>Art Unit</b>	1793
		<b>Examiner Name</b>	Cam N. NGUYEN
		<b>Attorney Docket Number</b>	040302-0579
Sheet	1 of 6		



## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/CNN/	A1	US-2001/0004832-A1	06-28-2001	HANAKI ET AL.	
	A2	US-2001/0006934-A1	07-05-2001	KACHI ET AL.	
	A3	US-2001/0021358-A1	09-13-2001	KIKUCHI ET AL.	
	A4	US-2002/0045543-A1	04-18-2002	TAKATORI ET AL.	
	A5	US-2003/0004054-A1	01-02-2003	ITO ET AL.	
	A6	US-2003/0083193-A1	05-01-2003	TAKAYA ET AL.	
	A7	US-2003/0167752-A1	09-11-2003	NIWA ET AL.	
	A8	US-2003/0181316-A1	09-25-2003	HIRAMOTO ET AL.	
	A9	US-2004/0055280-A1	03-25-2004	NISHIZAWA ET AL.	
	A10	US-2004/0254069-A1	12-16-2004	ITO, JUNJI	
	A11	US-2005/0170958-A1	08-04-2005	KIKUCHI ET AL.	
	A12	US-2005/0215429-A1	09-29-2005	WAKAMATSU ET AL.	
	A13	US-2005/0221978-A1	10-06-2005	SHIRATORI ET AL.	
	A14	US-2007/0153390-A1	07-05-2007	NAKAMURA ET AL.	
	A15	US-2007/0155626-A1	07-05-2007	YASUDA ET AL.	
	A16	US-2007/0167319-A1	07-19-2007	SHIRATORI ET AL.	
	A17	US-2007/0203021-A1	08-30-2007	NAKAMURA ET AL.	
	A18	US-2007/0244001-A1	10-18-2007	WAKAMATSU ET AL.	
	A19	US-2,980,662-	04-18-1961	JEZL	
	A20	US-3,255,020-	06-07-1966	FERRELL	
	A21	US-3,266,477-	08-16-1966	STILES	
	A22	US-3,357,916-	12-12-1967	SMITH	
	A23	US-3,478,329-	11-11-1969	ETIENNE DE RUDNAY	
	A24	US-3,531,329-	09-29-1970	SELWITZ	
	A25	US-3,649,566-	03-14-1972	HAYES ET AL.	
	A26	US-4,255,290-	03-10-1981	FLAGG ET AL.	
	A27	US-4,261,862-	04-14-1981	KINOSHITA ET AL.	
	A28	US-4,274,981-	06-23-1981	SUZUKI ET AL.	
	A29	US-4,369,132-	01-18-1983	KINOSHITA ET AL.	
	A30	US-4,374,046-	02-15-1983	ANTOS	
	A31	US-4,425,261-	01-10-1984	STENIUS ET AL.	
	A32	US-4,440,874-	04-03-1984	THOMPSON	
	A33	US-4,444,721-	04-24-1984	OHKATA, ICHIZO	
	A34	US-4,495,304-	01-22-1985	YOO ET AL.	
	A35	US-4,539,311-	09-03-1985	HARRISON ET AL.	
	A36	US-4,548,921-	10-22-1985	GEUS ET AL.	
	A37	US-4,716,087-	12-29-1987	ITO ET AL.	
	A38	US-4,758,418-	07-19-1988	YOO ET AL.	
	A39	US-4,765,874-	08-23-1988	MODES ET AL.	
/CNN/	A40	US-4,839,146-	06-13-1989	CHO ET AL.	

Examiner Signature	/Cam N. Nguyen/	Date Considered	06/04/2009
-----------------------	-----------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/586,533
				Filing Date	02/08/2005
				First Named Inventor	Hirofumi YASUDA
				Art Unit	1793
Date Submitted: April 6, 2009				Examiner Name	Cam N. NGUYEN
(use as many sheets as necessary)				Attorney Docket Number	040302-0579
Sheet	2	of	6		

## U.S. PATENT DOCUMENTS

		Document Number			
/CNN/	A41	US-4,904,633-	02-27-1990	OHATA ET AL.	
	A42	US-4,969,265-	11-13-1990	EHARA, HIDEHARU	
	A43	US-5,068,218-	11-26-1991	NISHIZAWA	
	A44	US-5,108,469-	04-28-1992	CHRIST, MICHAEL	
	A45	US-5,112,787-	05-12-1992	FALKE ET AL.	
	A46	US-5,248,650-	09-28-1993	SEKIBA ET AL.	
	A47	US-5,395,406-	03-07-1995	CLAVENNA ET AL.	
	A48	US-5,427,989-	06-27-1995	KANESAKA ET AL.	
	A49	US-5,446,003-	08-29-1995	AUGUSTINE ET AL.	
	A50	US-5,516,741-	05-14-1996	GASCOYNE ET AL.	
	A51	US-5,622,048-	04-22-1997	AOYAMA ET AL.	
	A52	US-5,640,847-	06-24-1997	NAKAJIMA ET AL.	
	A53	US-5,644,912-	07-08-1997	KAWAMURA	
	A54	US-5,677,258-	10-14-1997	KUROKAWA ET AL.	
	A55	US-5,750,458-	05-12-1998	KENNELLY ET AL.	
	A56	US-5,814,576-	09-29-1998	YAMAMOTO, SHINJI	
	A57	US-5,814,577-	09-29-1998	PARK ET AL.	
	A58	US-5,849,660-	12-15-1998	TAKEMOTO ET AL.	
	A59	US-5,911,961-	06-15-1999	HORIUCHI ET AL.	
	A60	US-5,916,839-	06-29-1999	PAK ET AL.	
	A61	US-5,977,012-	11-02-1999	KHARAS ET AL.	
	A62	US-6,047,544-	04-11-2000	YAMAMOTO ET AL.	
	A63	US-6,057,263-	05-02-2000	TAKAHASHI ET AL.	
	A64	US-6,066,410-	05-23-2000	AUER ET AL.	
	A65	US-6,066,587-	05-23-2000	KUROKAWA ET AL.	
	A66	US-6,069,111-	05-30-2000	YAMAMOTO ET AL.	
	A67	US-6,080,371-	06-27-2000	TANABE ET AL.	
	A68	US-6,107,239-	08-22-2000	QIN ET AL.	
	A69	US-6,110,862-	08-29-2000	CHEN ET AL.	
	A70	US-6,172,000-B1	01-09-2001	CHATTHA ET AL.	
	A71	US-6,180,075-B1	01-30-2001	LINDNER ET AL.	
	A72	US-6,221,805-B1	04-24-2001	YAMASHITA ET AL.	
	A73	US-6,228,800-B1	05-08-2001	YAMAGUCHI ET AL.	
	A74	US-6,284,201-B1	09-04-2001	BUCK, ALFRED	
	A75	US-6,296,813-B1	10-02-2001	ISHII ET AL.	
	A76	US-6,370,870-	04-16-2002	KAMIJO ET AL.	
	A77	US-6,440,378-B1	08-27-2002	HIRATA ET AL.	
	A78	US-6,444,610-	09-03-2002	YAMAMOTO, SHINJI	
	A79	US-6,475,446-	11-05-2002	HORIIKE ET AL.	
	A80	US-6,503,862-	01-07-2003	YAMAMOTO, SHINJI	
	A81	US-6,511,642-B1	01-28-2003	HATANAKA ET AL.	
/CNN/	A82	US-6,514,905-B1	02-04-2003	HANAKI ET AL.	

Examiner  
Signature

/Cam N. Nguyen/

Date

Considered

06/04/2009

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: April 6, 2009  <i>(use as many sheets as necessary)</i>				Application Number	10/586,533
				Filing Date	02/08/2005
				First Named Inventor	Hirofumi YASUDA
				Art Unit	1793
				Examiner Name	Cam N. NGUYEN
Sheet	3	of	6	Attorney Docket Number	040302-0579

U.S. PATENT DOCUMENTS					
		Document Number			
/CNN/	A83	US-6,518,213-	02-11-2003	YAMAMOTO ET AL.	
	A84	US-6,589,901-B2	07-08-2003	YAMAMOTO ET AL.	
	A85	US-6,623,716-B2	09-23-2003	SUGA ET AL.	
	A86	US-6,660,897-B1	12-09-2003	MARTCHAL-GEORGE ET AL.	
	A87	US-6,680,279-B2	01-20-2004	CAI ET AL.	
	A88	US-6,729,125-B2	05-04-2004	SUGA ET AL.	
	A89	US-6,764,665-B2	07-20-2004	DEEBA ET AL.	
	A90	US-6,787,500-B2	09-07-2004	ITO ET AL.	
	A91	US-6,800,388-B2	10-05-2004	KANEKO ET AL.	
	A92	US-6,861,372-B2	03-01-2005	RUTH ET AL.	
	A93	US-6,861,387-B2	03-01-2005	RUTH ET AL.	
	A94	US-6,887,443-B2	05-03-2005	SUGA ET AL.	
	A95	US-6,887,444-B1	05-03-2005	YAMAMOTO, SHINJI	
	A96	US-6,896,857-B2	05-24-2005	NAKAMURA ET AL.	
	A97	US-6,926,875-B2	08-09-2005	HATANAKA ET AL.	
	A98	US-7,029,514-B1	04-18-2006	YANG ET AL.	
/CNN/	A99	US-RE 31,719-	10-30-1984	SONETAKA ET AL.	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Document Serial Number-Kind Code <sup>2</sup> (if known)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/CNN/	A100	11/722275	06-20-2007	NAKAMURA ET AL.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
/CNN/	A101	JP-09-122492-A	05-13-1997	NISSAN MOTOR CO., LTD.		Abst.
/CNN/	A102	JP-10-216517-A	08-18-1998	TOYOTA MOTOR CORP.		Abst.
/CNN/	A103	EP-1 043 065-A1	10-11-2000	TOYOTA JIDOSHA KABUSHIKI KAISHA		
/CNN/	A104	JP-2000-001119-A	01-07-2000	CALSONIC CORP.		Abst.
/CNN/	A105	JP-2000-015098-A	01-18-2000	JAPAN SCIENCE & TECHNOLOGY CORP., ET AL.		Abst.

Examiner Signature	/Cam N. Nguyen/	Date Considered	06/04/2009
--------------------	-----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Application Number</b>	10/586,533
				<b>Filing Date</b>	02/08/2005
				<b>First Named Inventor</b>	Hirofumi YASUDA
				<b>Art Unit</b>	1793
Date Submitted: April 6, 2009				<b>Examiner Name</b>	Cam N. NGUYEN
(use as many sheets as necessary)				<b>Attorney Docket Number</b>	040302-0579
Sheet	4	of	6		

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
/CNN/	A106	JP-2000-042411-A	02-15-2000	TOYOTA MOTOR CORP., ET AL.		Abst.
	A107	JP-2000-279824-A	10-10-2000	TANAKA PRECIOUS METAL IND., ET AL.		Abst.
	A108	JP-2000-296339-A	10-24-2000	TOYOTA MOTOR CORP.		Abst.
	A109	JP-2001-198466-A	07-24-2001	TOYOTA MOTOR CORP.		Abst.
	A110	JP-2002-102703-A	04-09-2002	TOYOTA MOTOR CORP.		Abst.
	A111	JP-2003-080077-A	03-18-2003	DENSO CORP., ET AL.		Abst.
	A112	JP-2003-181290-A	07-02-2003	TOYOTA MOTOR CORP.		Abst.
	A113	JP-2003-181293-A	07-02-2003	TOYOTA MOTOR CORP.		Abst.
	A114	JP-2003-290658-A	10-14-2003	TOYOTA MOTOR CORP.		Abst.
	A115	JP-2003-290667-A	10-14-2003	TOYOTA MOTOR CORP.		Abst.
	A116	JP-2003-311128-A	11-05-2003	TOYOTA MOTOR CORP.		Abst.
	A117	JP-2004-082000-A	03-18-2004	TOYOTA MOTOR CORP.		Abst.
	A118	JP-2004-174490-A	06-24-2004	MAZDA MOTOR CORP.		Abst.
	A119	JP-2004-267961-A	09-30-2004	TANAKA KIKINZOKU KOGYO KK		Abst.
	A120	WO-2005/063390-A1	07-14-2005	NISSAN MOTOR CO., LTD.		
	A121	WO-2005/063391-A1	07-14-2005	NISSAN MOTOR CO., LTD.		
	A122	JP-2005-081183-A	03-31-2005	MITSUBISHI HEAVY IND., LTD.		Abst.
	A123	JP-2005-305300-A	11-04-2005	TOYOTA MOTOR CORP.		Abst.
	A124	JP-3251009-B2	11-16-2001	TOYOTA CENTRAL RES & DEV LAB INC., ET AL.		Abst.
	A125	EP-0 466 984-A1	01-22-1992	UOP		
	A126	JP-56-010333-A	02-02-1981	TOYOTA MOTOR CORP.		Abst.
	A127	JP-58-186441-A	10-31-1983	ENGELHARD CORP.		
	A128	JP-59-230639-A	12-25-1984	NIPPON SHOKUBAI KAGAKU, ET AL.		Abst.
	A129	EP-0 931 590-B1	07-28-1999	MAZDA MOTOR CORP.		
	A130	EP-0 940 176-A2	09-08-1999	TOYOTA JIDOSHA KABUSHIKI KAISHA		
	A131	WO-95/32790-A1	12-07-1995	ALLIEDSIGNAL ENVIRONMENTAL CATALYSTS		
/CNN/	A132	WO-97/09114-A1	03-13-1997	INSTITUTIONEN FOR KEMITEKNIK KEMISK TEKNOLOGI KTH		

<b>Examiner Signature</b>	/Cam N. Nguyen/	<b>Date Considered</b>	06/04/2009
---------------------------	-----------------	------------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: April 6, 2009  <i>(use as many sheets as necessary)</i>		<b>Application Number</b>	10/586,533
		<b>Filing Date</b>	02/08/2005
		<b>First Named Inventor</b>	Hirofumi YASUDA
		<b>Art Unit</b>	1793
		<b>Examiner Name</b>	Cam N. NGUYEN
<b>Sheet</b>	5	<b>of</b>	6
		<b>Attorney Docket Number</b>	040302-0579

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
/CNN/	A133	A. Martínez-Arias et al., "Study of the lean NO <sub>x</sub> reduction with C <sub>3</sub> H <sub>6</sub> in the presence of water over silver/alumina catalysts prepared from inverse microemulsions," Applied Catalysts B: Environmental, Vol. 28, 2000, pages 29-41.	
	A134	H. WAKAMATSU et al., US PTO Office Action 11/578,295, 03-19-2009, 8 pgs.	
	A135	H. WAKAMATSU et al., US PTO Office Action 11/578,295, 10-02-2008, 15 pgs.	
	A136	H. WAKAMATSU, et al., US PTO Office Action 11/079,270, 03-04-2009, 6 pgs.	
	A137	H. WAKAMATSU, et al., US PTO Office Action 11/079,270, 05-12-2008, 7 pgs.	
	A138	H. WAKAMATSU, et al., US PTO Office Action 11/079,270, 07-21-2008, 5 pgs.	
	A139	H. WAKAMATSU, et al., US PTO Office Action 11/079,270, 08-25-2008, 20 pgs.	
	A140	K. SHIRATORI, et al., US PTO Office Action 10/584,346, dated 07-11-2008, 5 pgs.	
	A141	K. SHIRATORI, et al., US PTO Office Action 10/584,346, dated 11-18-2008, 19 pgs.	
	A142	K. SHIRATORI, et al., US PTO Office Action 11/079,377, dated 03-12-2009, 7 pgs.	
	A143	K. SHIRATORI, et al., US PTO Office Action 11/079,377, dated 05-08-2008, 6 pgs.	
	A144	K. SHIRATORI, et al., US PTO Office Action 11/079,377, dated 07-28-2008, 18 pgs.	
/CNN/	A145	M. CHE et al., "A Study of the Chemisorption of Nitric Oxide on PdY Zeolite, Evidence for a Room Temperature Oxidative Dissolution of Pd Crystallinities," The Journal of Physical Chemistry, Vol. 60, No. 21, 1976, 11 pgs.	

<b>Examiner Signature</b>	/Cam N. Nguyen/	<b>Date Considered</b>	06/04/2009
---------------------------	-----------------	------------------------	------------



\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Date Submitted: April 6, 2009 (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/586,533
				Filing Date	02/08/2005
				First Named Inventor	Hirofumi YASUDA
				Art Unit	1793
				Examiner Name	Cam N. NGUYEN
Sheet	6	of	6	Attorney Docket Number	040302-0579

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>	
/CNN/	A146	M. NAKAMURA et al., US PTO Office 10/589,890, dated 07-15-2008, 5 pgs.		
	A147	M. NAKAMURA et al., US PTO Office 10/589,890, dated 11-19-2008, 13 pgs.		
	A148	M. NAKAMURA et al., US PTO Office Action 10/584,243, dated 08-06-2008, 5 pgs.		
	A149	M. NAKAMURA et al., US PTO Office Action 10/584,243, dated 12-26-2008, 24 pgs.		
	A150	PH. BUFFAT AND J-P BOREL, "Size effect on the melting temperature of gold particles," Physical Review A, June 1976, Vol. 13, No. 6, 12 pgs.		
	A151	R. WILLIS, "PUMICE, Porous Volcanic Rock," Online, XP002364316, URL: <a href="http://ceramic-materials.com/ceramat/material/2009.html">http://ceramic-materials.com/ceramat/material/2009.html</a> >.		
	A152	S. ERIKSSON,et al., "Preparation of Catalysts from Microemulsions and Their Applications in Heterogeneous Catalysis," Applied Catalysis A: General, Vol. 265, No. 2, July 8, 2004, pp. 207-219.		
	A153	T. Kinoshita et al., "Magnetic evaluation of nanostructure of gold-iron composite particles synthesized by a reverse micelle method," Journal of Alloys and Compounds, Vol. 359, No. 1-2, Sept. 22, 2003, pages 46-50.		
	A154	T. Shimizu et al., "Size Evolution of Alkanethiol-Protected Gold Nanoparticles by Heat Treatment in the Solid State", J. Phys. Chem. B, 107, 2003, pages 2719-2724.		
/CNN/	A155	W.Y. Kim et al., "Methanol synthesis from syngas over supported palladium catalysts prepared using water-in-oil microemulsion," Applied Catalysis A: General, Vol. 169, 1998, pages 157-164.		

Examiner Signature	/Cam N. Nguyen/	Date Considered	06/04/2009
--------------------	-----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.